## Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

- 1. (Original) A method of treating or preventing menorrhagia in a female individual, the method comprising administering to the individual at least one agent that prevents  $PGF_{2\alpha}$  having its effect on the FP receptor.
- 2. (Original) A method according to Claim 1 wherein the agent that prevents  $PGF_{2\alpha}$  having its effect on the FP receptor prevents or reduces the binding of  $PGF_{2\alpha}$  to the FP receptor.
- 3. (Previously Presented) A method according to Claim 1 wherein the agent that prevents  $PGF_{2\alpha}$  having its effect on the FP receptor affects the interaction between  $PGF_{2\alpha}$  and the FP receptor, or the interaction between the FP receptor and the associated  $G_{\alpha q}$  protein, thus inhibiting or disrupting a  $PGF_{2\alpha}$ -FP mediated signal transduction pathway.
- 4. (Previously Presented) A method according to any of Claim 1 wherein the agent is an antagonist of the FP receptor.
- 5. (Currently Amended) A method according to Claim 4 wherein the FP receptor antagonist is any one or more of PGF<sub>2α</sub> dimethyl amide; PGF<sub>2α</sub> dimethyl amine; AL-8810 ((5*Z*,13E)-(9S,11S,15R)-9,15-dihydroxy-11-fluoro-15-(2-indanyl)-16,17,18,19,20-pentanor-5,13-prostadienoic acid); AL-3138 (11-deoxy-16-fluoro PGF<sub>2α</sub>); phloretin; glibenclamide; ridogrel; PHG113; PCP-1 (rvkfksqqhrqgrshhlem) (SEQ ID NO:1); PCP-2 (rkavlknlyklasqccgvhvislhiwelssiknslkvaaisespvaeksast) (SEQ ID NO:2); PCP-3 (clseeakearrindeierqlrrdkrdarre-NH<sub>2</sub>) (SEQ ID NO:3); PCP-4 (kdtilqlnlkeynlv-NH<sub>2</sub>) (SEQ ID NO:4); PCP-8 (ilghrdyk) (SEQ ID NO:5); PCP-10 (wedrfyll) (SEQ ID NO:6); PCP-13 (ILGHRDYK); PCP-14 (YQDRFYLL); (ILAHRDYK); PCP-13.7 (ILAHRDYK); PCP-13.8 (ILaHRDYK); PCP-13.11 (ILGFRDYK); PCP-13.13 (ILGHKDYK); PCP-13.14 (ILGHRNYK); PCP-13.18 (ILGHQDYK); PCP-13.20 (ILGHRDY-amide); PCP-13.21 (ILGHRDYK-amide); PCP-13.22 (ILGWRDYK); PCP-13.24 (ILGXRDYK); and PCP-15 (SNVLCSIF).
- 6. (Previously Presented) A method according to Claim 1 wherein the agent is an antagonist of  $PGF_{2\alpha}$ .
- 7. (Original) A method according to Claim 6 wherein the  $PGF_{2\alpha}$  antagonist is an anti- $PGF_{2\alpha}$  antibody.

- 8. (Previously Presented) A method according to Claim 1 further comprising administering to the individual one or more of an inhibitor of PGES and/or an antagonist of EP2 or EP4.
- 9. (Currently Amended) A method according to Claim 8 wherein the antagonist of EP2 or EP4 is AH6809, an omega-substituted prostaglandin E derivative, AH23848B, AH22921X, IFTSYLECL (SEQ ID NO:7), IFASYECL (SEQ ID NO:8), IFTSAECL (SEQ ID NO:9), IFTSYEAL (SEQ ID NO:10), ILASYECL (SEQ ID NO:11), IFTSTDCL (SEQ ID NO:12), TSYEAL XTSYEAL (with where X is 4-biphenyl alanine) (SEQ ID NO:13), TSYEAL XTSYEAL (with where X is homophenyl alanine) (SEQ ID NO:14), a 5-thia-prostaglandin E derivative, 5-butyl-2,4-dihydro-4-[[2'-[N-(3-chloro-2-thiophenecarbonyl)sulfamoyl]biphenyl-4-yl]methyl]-2-{2-(trifluoromethyl)phenyl]-1,2,4-triazol-3-one potassium salt, 5-butyl-2,4-dihydro-4-[[2'-[N-(2-methyl-3-furoyl)sulfamoyl]biphenyl-4-yl]methyl]-2-{2-(trifluoromethyl)phenyl]-1,2,4-triazol-3-one, 5-butyl-2,4-dihydro-4-[[2'-[N-(2-methyl-2-4-dihydro-4-[[2'-[N-(2-thiophenecarbonyl)sulfamoyl]biphenyl-4-yl]methyl]-2-{2-(trifluoromethyl)phenyl]-1,2,4-triazol-3-one, or 5-butyl-2,4-dihydro-4-[[2'-[N-(2-thiophenecarbonyl)sulfamoyl]biphenyl-4-yl]methyl]-2-{2-(trifluoromethyl)phenyl]-1,2,4-triazol-3-one, or 5-butyl-2,4-dihydro-4-[[2'-[N-(2-(methypyrrole)carbonyl]sulfamoyl]biphenyl-4-yl]methyl]-2-{2-(trifluoromethyl)phenyl]-1,2,4-triazol-3-one.
- 10. (Original) Use of at least one agent that prevents  $PGF_{2\alpha}$  having its effect on the FP receptor, in the manufacture of a medicament for treating or preventing menorrhagia in a female individual.
- 11. (Original) Use according to Claim 10, wherein the individual is administered one or more of an inhibitor of PGES and/or an antagonist of EP2 or EP4.
- 12. (Previously Presented) Use of a combination of at least one agent that prevents  $PGF_{2\alpha}$ , having its effect on the FP receptor, and one or more of an inhibitor of PGES and/or an antagonist of EP2 or EP4, in the manufacture of a medicament for treating or preventing menorrhagia in a female individual.
- 13. (Original) Use of one or more of an inhibitor of PGES and/or an antagonist of EP2 or EP4 in the manufacture of a medicament for treating or preventing menorrhagia in a female individual, wherein the female individual is administered at least one agent that prevents  $PGF_{2\alpha}$  having its effect on the FP receptor.

- 14. (Original) A pharmaceutical composition comprising at least one agent that prevents  $PGF_{2\alpha}$  having its effect on the FP receptor for treating or preventing menorrhagia in a female individual.
- 15. (Original) A pharmaceutical composition according to Claim 14 further comprising one or more of an inhibitor of PGES and/or an antagonist of EP2 or EP4.
- 16. (Original) A vaginal ring or a tampon or an intrauterine device comprising at least one agent that prevents  $PGF_{2\alpha}$  having its effect on the FP receptor.
- 17. (Original) A vaginal ring or a tampon or an intrauterine device according to Claim 16 further comprising one or more of an inhibitor of PGES and/or an antagonist of EP2 or EP4.
- 18. (Previously Presented) A use according to Claim 10, wherein the agent that prevents  $PGF_{2\alpha}$  having its effect on the FP receptor (i) prevents or reduces the binding of  $PGF_{2\alpha}$  to the FP receptor, (ii) affects the interaction between  $PGF_{2\alpha}$  and the FP receptor, or the interaction between the FP receptor and the associated  $G_{\alpha q}$  protein, thus inhibiting or disrupting a  $PGF_{2\alpha}$ -FP mediated signal transduction pathway, (iii) is an antagonist of the FP receptor, (iv) is an antagonist of  $PGF_{2\alpha}$ , or (v) is an anti- $PGF_{2\alpha}$  antibody.
- 19. (Currently Amended) Use according to Claim 11, wherein the antagonist of EP2 or EP4 is selected from the group of AH6809, an omega-substituted prostaglandin E derivative, AH23848B, AH22921X, IFTSYLECL (SEQ ID NO:7), IFASYECL (SEQ ID NO:8), IFTSAECL (SEQ ID NO:9), IFTSYEAL (SEQ ID NO:10), ILASYECL (SEQ ID NO:11), IFTSTDCL (SEQ ID NO:12), TSYEAL XTSYEAL (with where X is 4-biphenyl alanine) (SEQ ID NO:13), TSYEAL XTSYEAL (with where X is homophenyl alanine) (SEQ ID NO:14), a 5-thia-prostaglandin E derivative, 5-butyl-2,4-dihydro-4-[[2'-[N-(3-chloro-2-thiophenecarbonyl)sulfamoyl]biphenyl-4-yl]methyl]-2-{2-(trifluoromethyl)phenyl]-1,2,4-triazol-3-one potassium salt, 5-butyl-2,4-dihydro-4-[[2'-[N-(2-methyl-3-furoyl)sulfamoyl]biphenyl-4-yl]methyl]-2-{2-(trifluoromethyl)phenyl]-1,2,4-triazol-3-one, 5-butyl-2,4-dihydro-4-[[2'-[N-(2-methyl-2-4-dihydro-4-[1-4-yl]methyl]-2-3-0-ne)]

- 20. (Original) A composition comprising at least one agent that prevents  $PGF_{2\alpha}$  having its effect on the FP receptor, and one or more of an inhibitor of PGES and/or an antagonist of EP2 or EP4.
- 21. (Original) A pharmaceutical composition comprising at least one agent that prevents  $PGF_{2\alpha}$  having its effect on the FP receptor, and one or more of an inhibitor of PGES and/or an antagonist of EP2 or EP4, and a pharmaceutically acceptable carrier.
  - 22. (Original) A composition according to Claim 20 for use in medicine.
- 23. (Currently Amended) Use according to Claim 10 wherein the agent that prevents PGF<sub>2α</sub> having its effect on the FP receptor is an antagonist of the FP receptor is selected from the group of any one or more of PGF<sub>2α</sub> dimethyl amide; PGF<sub>2α</sub> dimethyl amine; AL-8810 ((5Z,13E)-(9S,11S,15R)-9,15-dihydroxy-11-fluoro-15-(2-indanyl)-16,17,18,19,20-pentanor-5,13-prostadienoic acid); AL-3138 (11-deoxy-16-fluoro PGF<sub>2α</sub>); phloretin; glibenclamide; ridogrel; PHG113; PCP-1 (rvkfksqqhrqgrshhlem) (SEQ ID NO:1); PCP-2 (rkavlknlyklasqccgvhvislhiwelssiknslkvaaisespvaeksast) (SEQ ID NO:2); PCP-3 (clseeakearrindeierqlrrdkrdarre-NH<sub>2</sub>) (SEQ ID NO:3); PCP-4 (kdtilqlnlkeynlv-NH<sub>2</sub>) (SEQ ID NO:4); PCP-8 (ilghrdyk) (SEQ ID NO:5); PCP-10 (wedrfyll) (SEQ ID NO:6); PCP-13 (ILGHRDYK); PCP-14 (YQDRFYLL); (ILAHRDYK); PCP-13.7 (ILAHRDYK); PCP-13.8 (ILGHRDYK); PCP-13.11 (ILGFRDYK); PCP-13.13 (ILGHKDYK); PCP-13.14 (ILGHRNYK); PCP-13.18 (ILGHQDYK); PCP-13.20 (ILGHRDY-amide); PCP-13.21 (ILGHRDYK-amide); PCP-13.22 (ILGWRDYK); PCP-13.24 (ILGXRDYK); and PCP-15 (SNVLCSIF).
- 24. (Previously Presented) A pharmaceutical composition according to Claim 14 wherein the agent that prevents  $PGF_{2\alpha}$  having its effect on the FP receptor (i) prevents or reduces the binding of  $PGF_{2\alpha}$  to the FP receptor, (ii) affects the interaction between  $PGF_{2\alpha}$  and the FP receptor, or the interaction between the FP receptor and the associated  $G_{\alpha q}$  protein, thus inhibiting or disrupting a  $PGF_{2\alpha}$ -FP mediated signal transduction pathway, (iii) is an antagonist of the FP receptor, (iv) is an antagonist of  $PGF_{2\alpha}$ , or (v) is an anti- $PGF_{2\alpha}$  antibody.
- 25. (Currently Amended) A pharmaceutical composition according to claim 14 wherein the agent that prevents  $PGF_{2\alpha}$  having its effect on the FP receptor is an antagonist of the FP receptor is selected from the group of any one or more of  $PGF_{2\alpha}$  dimethyl amide;  $PGF_{2\alpha}$  dimethyl amine; AL-8810 ((5Z,13E)-(9S,11S,15R)-9,15-dihydroxy-11-fluoro-15-(2-

indanyl)-16,17,18,19,20-pentanor-5,13-prostadienoic acid); AL-3138 (11-deoxy-16-fluoro PGF<sub>2α</sub>); phloretin; glibenclamide; ridogrel; PHG113; PCP-1 (rvkfksqqhrqgrshhlem) (SEQ ID NO:1); PCP-2 (rkavlknlyklasqccgvhvislhiwelssiknslkvaaisespvaeksast) (SEQ ID NO:2); PCP-3 (clseeakearrindeierqlrrdkrdarre-NH<sub>2</sub>) (SEQ ID NO:3); PCP-4 (kdtilqlnlkeynlv-NH<sub>2</sub>) (SEQ ID NO:4); PCP-8 (ilghrdyk) (SEQ ID NO:5); PCP-10 (wedrfyll) (SEQ ID NO:6); PCP-13 (ILGHRDYK); PCP-14 (YQDRFYLL); (ILAHRDYK); PCP-13.7 (ILAHRDYK); PCP-13.8 (ILaHRDYK); PCP-13.11 (ILGFRDYK); PCP-13.13 (ILGHKDYK); PCP-13.14 (ILGHRNYK); PCP-13.18 (ILGHQDYK); PCP-13.20 (ILGHRDY-amide); PCP-13.21 (ILGHRDYK-amide); PCP-13.22 (ILGWRDYK); PCP-13.24 (ILGXRDYK); and PCP-15 (SNVLCSIF).

26. (Previously Presented) A vaginal ring or a tampon or an intrauterine device according to claim 16 wherein the at least one agent that prevents  $PGF_{2\alpha}$  having its effect on the FP receptor (i) prevents or reduces the binding of  $PGF_{2\alpha}$  to the FP receptor, (ii) affects the interaction between  $PGF_{2\alpha}$  and the FP receptor, or the interaction between the FP receptor and the associated  $G_{\alpha q}$  protein, thus inhibiting or disrupting a  $PGF_{2\alpha}$ -FP mediated signal transduction pathway, (iii) is an antagonist of the FP receptor, (iv) is an antagonist of  $PGF_{2\alpha}$ , or (v) is an anti- $PGF_{2\alpha}$  antibody.

27. (Currently Amended) A vaginal ring or a tampon or an intrauterine device according to claim 16 wherein the agent that prevents PGF<sub>2α</sub> having its effect on the FP receptor is an antagonist of the FP receptor is selected from the group of any one or more of PGF<sub>2α</sub> dimethyl amide; PGF<sub>2α</sub> dimethyl amine; AL-8810 ((5Z,13E)-(9S,11S,15R)-9,15-dihydroxy-11-fluoro-15-(2-indanyl)-16,17,18,19,20-pentanor-5,13-prostadienoic acid); AL-3138 (11-deoxy-16-fluoro PGF<sub>2α</sub>); phloretin; glibenclamide; ridogrel; PHG113; PCP-1 (rvkfksqqhrqgrshhlem) (SEQ ID NO:1); PCP-2 (rkavlknlyklasqccgvhvislhiwelssiknslkvaaisespvaeksast) (SEQ ID NO:2); PCP-3 (clseeakearrindeierqlrrdkrdarre-NH<sub>2</sub>) (SEQ ID NO:3); PCP-4 (kdtilqlnlkeynlv-NH<sub>2</sub>) (SEQ ID NO:4); PCP-8 (ilghrdyk) (SEQ ID NO:5); PCP-10 (wedrfyll) (SEQ ID NO:6); PCP-13 (ILGHRDYK); PCP-13.11 (ILGFRDYK); PCP-13.13 (ILGHRDYK); PCP-13.14 (ILGHRDYK); PCP-13.18 (ILGHRDYK); PCP-13.19 (ILGHRDYK); PCP-13.19 (ILGHRDYK); PCP-13.21 (ILGHRDYK-amide); PCP-13.21 (ILGHRDYK-amide); PCP-13.22 (ILGWRDYK); PCP-13.24 (ILGXRDYK); and PCP-15 (SNVLCSIF).

28. (Currently Amended) A pharmaceutical composition according to Claim 15 wherein the antagonist of EP2 or EP4 is selected from the group of AH6809, an omegasubstituted prostaglandin E derivative, AH23848B, AH22921X, IFTSYLECL (SEQ ID NO:7), IFASYECL (SEQ ID NO:8), IFTSAECL (SEQ ID NO:9), IFTSYEAL (SEQ ID NO:10), ILASYECL (SEQ ID NO:11), IFTSTDCL (SEQ ID NO:12), TSYEAL XTSYEAL (with where X is 4-biphenyl alanine) (SEQ ID NO:13), TSYEAL XTSYEAL (with where X is homophenyl alanine) (SEQ ID NO:14), a 5-thia-prostaglandin E derivative, 5-butyl-2,4dihydro-4-[[2'-[N-(3-chloro-2-thiophenecarbonyl)sulfamoyl]biphenyl-4-yl]methyl]-2-{2-(trifluoromethyl)phenyl]-1,2,4-triazol-3-one potassium salt, 5-butyl-2,4-dihydro-4-[[2'-[N-(2methyl-3-furoyl)sulfamoyl]biphenyl-4-yl]methyl]-2-{2-(trifluoromethyl)phenyl]-1,2,4triazol-3-one, 5-butyl-2,4-dihydro-4-[[2'-[N-(3-methyl-2thiophenecarbonyl)sulfamoyl]biphenyl-4-yl]methyl]-2-{2-(trifluoromethyl)phenyl]-1,2,4triazol-3-one, 5-butyl-2,4-dihydro-4-[[2'-[N-(2-thiophenecarbonyl)sulfamoyl]biphenyl-4yl]methyl]-2-{2-(trifluoromethyl)phenyl]-1,2,4-triazol-3-one, or 5-butyl-2,4-dihydro-4-[[2'-[N-[2-(methypyrrole)carbonyl]sulfamoyl] biphenyl-4-yl]methyl]-2-{2-(trifluoromethyl)phenyl]-1,2,4-triazol-3-one.

29. (Currently Amended) A vaginal ring or a tampon or an intrauterine device according to claim 17 wherein the antagonist of EP2 or EP4 is selected from the group of AH6809, an omega-substituted prostaglandin E derivative, AH23848B, AH22921X, IFTSYLECL (SEQ ID NO:7), IFASYECL (SEQ ID NO:8), IFTSAECL (SEQ ID NO:9), IFTSYEAL (SEQ ID NO:10), ILASYECL (SEQ ID NO:11), IFTSTDCL (SEQ ID NO:12), TSYEAL XTSYEAL (with where X is 4-biphenyl alanine) (SEQ ID NO:13), TSYEAL XTSYEAL (with where X is homophenyl alanine) (SEQ ID NO:14), a 5-thia-prostaglandin E derivative, 5-butyl-2,4-dihydro-4-[[2'-[N-(3-chloro-2thiophenecarbonyl)sulfamoyl]biphenyl-4-yl]methyl]-2-{2-(trifluoromethyl)phenyl]-1,2,4triazol-3-one potassium salt, 5-butyl-2,4-dihydro-4-[[2'-[N-(2-methyl-3furoyl)sulfamoyl]biphenyl-4-yl]methyl]-2-{2-(trifluoromethyl)phenyl]-1,2,4-triazol-3-one, 5butyl-2,4-dihydro-4-[[2'-[N-(3-methyl-2-thiophenecarbonyl)sulfamoyl]biphenyl-4yl]methyl]-2-{2-(trifluoromethyl)phenyl]-1,2,4-triazol-3-one, 5-butyl-2,4-dihydro-4-[[2'-[N-(2-thiophenecarbonyl)sulfamoyl]biphenyl-4-yl]methyl]-2-{2-(trifluoromethyl)phenyl]-1,2,4triazol-3-one, or 5-butyl-2,4-dihydro-4-[[2'-[N-[2-(methypyrrole)carbonyl]sulfamoyl] biphenyl-4-yl]methyl]-2-{2-(trifluoromethyl)phenyl]-1,2,4-triazol-3-one.